

1 GTGAAGGAG CCGGATCAG CCAGGGGCA GCATGAGCG GAGGAGGA AGTCTGGAAG ACCCCAGAC TGATTCCTCA GTCTCATTG TTCCCCACTT  
CACTTCCCTC GGCCCTAGTC GGTCCCGGT CGTACTCGG CTCCCTCCCT TCAGACCTTC TGGGGTCTG ACTAAGGAGT CAGAGTGAAG AAGGGTGAA  
1 M S R R E G S L E D P Q T D S S V S L L P H L  
^met

101 GGAGGCCAAG ATCCGTGAGA CACACAGCCT TGCGCACCTC CTCACCAAT ACCTGAGCA GCTGCTCCAG GAATATGTC AGCTCCAGG AGACCCCTTC  
CCTCCGGTTC TAGGCAGTCT GTGTGTCGA ACCTGTGAG GAGTGGTTA TCGACTCGT CGACGAGGTC CTTATACAG TCGAGGTCCC TCTGGGAAG  
24 E A K I R Q T H S L A H L L T K Y A E Q L L Q E Y V Q L Q G D P F

201 GGCTGCCCCA GCTTCTCGC GCGCGGCTG CCGTGGCGG GCCTGAGCG CCGGCTCCG AGCCACGCG GGCTGCCAGT GCACGAGCG CTGCGGCTGG  
CCCACGGGT CGAAGAGCG CGGCGCGGAC GCGACCGGC CGGACTCGG GCGCCGAGG TCGGTGCGC CCGACGGTCA CGTGCTCGC GACCGCGACC  
57 G L P S F S P P R L P V A G L S A P A P S H A G L P V H E R L R L D

301 ACGCGCGCG GCTGGCGCG CTGCCCCCG GCGCGGCTG AGTGTGTCG CGCCAGGCG AGCTGAACCC GCGCGCGCG CGCCTGCTGC GCGCCTGGA  
TGGCGCGCG CGACCGCGC GACGGGGCG GACGCTGCG TCACACAGG CGGTTCGCG TCGACTGGG CGCGCGCGC GCGGACGAC GCGCGGACCT  
91 A A A L A A L P L L D A V C R R Q A E L N P R A P R L L R L E

401 GGACCGCGCG CGCCAGGCC GGGCCCTGG GCGCGCGCTG GAGGCTTGC TGGCGCGCT GGGCGCGCG AACCGCGCG CCGCGCGCG GCGCGCGCG  
CCTGCGCGCG GCGTCCGCG CCGCGGACCG GCGCGGCGC CTCCGGAAC ACCGGCGCG CCGCGCGCG TTGGCGCGC GCGCGCGCGT CCGGGGCGG  
124 D A A R Q A R A L G A A V E A L L A A L G A A N R G P R A E P P A

501 GCCACCGCT CAGCGCCTC CGCCACCGG GTCTTCCCG CCAAGGTGCT GGGGCTCCG GTTTGCGCG TCTACCGCA GTGGCTGAG CGCACCGAGG  
CGGTGGCGGA GTCGGCGGAG GCGGTGGCCC CAGAAGGGC GGTTCACGA CCGCGAGGCG CAAACGCGG AGATGGCGCT CACCGACTCG GCGTGGCTCC  
157 A T A S A A S A T G V F P A K V L G L R V C G L Y R E W L S R T E G

601 GCGACCTGG CCAGCTGCT CCGGGGGCT CCGCCTGAG CGCGCGGGG AGCTCGCCCC GCCTCTCCG GCTGGGTTCC GTCTCTCCTT CCGCTTCTTT  
CGCTGGACCG GGTGACGAC GCGGCCCCG GCGGACTCG CCGCGCCCC TCGAGCGGG CGGAGGAGG CGACCCAAAG CAGAGAGGAA GCGAAGAAA  
191 D L G Q L L P G S A O (SEQ ID NO:3)

701 GTCTTTCTCT GCGCTGTCT GTGTGTCTT AGCTGTCTC ATTGCTCTG CCTTCTTTG TTTTGTGGG GGAGAGGGA GGGACGGG  
CAGAAAGAGA CGCGACAGC CACAGACAGA CAGACGAGAA TCGACAGAG TAACCGAGCC GGAAGAAACG AAAACACCC CCTCTCCCT CCCCTGCCCG

801 AGGTCTCTG TCGCCAGGC TGGGGTGAG TGGCGGATC CCAGCACTGC AGCTCAACC TCCTGGGCTC AAGCATCTT TCCGCTCAG CTTCCCCAGC  
TCCCAGAGC AGCGGTCCG ACCCCACGTC ACCGCGCTAG GGTGCTGACG TCGAGTTGG AGGACCCGAG TTGGGTAGGA AGCGGAGTC GAAGGGGTG

FIG. 1A

901 AGCTGGGACT ACAGGCACGC GCCACCACAG CCGGCTAATT TTTTATTAA TTTTGTGTAG AGACGAGTT TCGCCATGTT GCCCAGGCTG GTCTTGAAC  
TCGACCTGA TGTCCGTGCG CGGTGGTGC GCGCGATTAA AAAATAAATT AAAAACATC TCTGTCTCAA AGCGGTACAA CCGGTCCGAC CAGAACTTGA

1001 CCGGGGCTCA AGCGATCCTC CCGCTTCAGC CTCCCTAAGT GCTGGGATTG CAGGCGTGAG CCACCTTCCC AGCCTCTCTT TCGTTTGCCT GCCCCGTTCT  
GGCCCCGAGT TCGCTAGGAG GCGGAAGTCG GAGGGATTCA CGACCCTAAC GTCCGCACTC GGTGAAGGG TCGGAGAGAA ACGAAACGGA CCGGGCAAGA  
^58125.tm.f1 ^58125.tm.pl

1101 CTTAACTCTT GGACCTCCT CGTCTGCATG GTAACCTCCG CTGAGTCTAC CATTTCTTG CTCTCCCTCC TTCTTTGGG CTGCTCAGT TCCCTTTGGC  
GAATTGAGAA CCTGGGAGGA GCAGACGTAC GACTGAGGCA CATTGAGGCA GTAGGGGTGA AGGACCGGAG GAGAGGAGG AAGGAACCCG GACGGAGTCA AGGGAACCCG  
^58125.tm.r1

1201 CTCCCCCTTT ACCCAGCTCT TGGGGTGTCT CTGTTTTTTC CATCCCCACT TCCTGCCTTC TCGTGGCCCT GTGTGAGCAC ATGTGTACAT CTCAGCCTTA  
GAGGGGAAA TGGGTCGAGA ACCCCACAGA GACAAAAAG GTAGGGGTGA AGGACCGGAG AGCACCAGG CACACTCGTG TACACATGTA GAGTCGGAAT

1301 TCTCAAGGAG GTGACACCTT CTCTCCTTGT CCCCATCTGG CCGTCTCTCT GTGCTTCCCT GGCCAGGGGC GTGCTGTCTG GTCCTATGG GGAAGGCTA  
AGAGTTCTC CACTGTGGAA GAGAGGAACA GGGGTAGACC GGCAGAGAGA CACGAAGGGA CCGGTCCCCG CACGGACGAC CAGGATACCC CCTTTCCGAT

1401 CTCCGCATCT CAGCCACCTT CCTCAGGCTC ACTCCACCTA CATCCCCAGT CTGCCACACC CCATCCCTTT GGCCCTCAGC CCTGTCCCTT TGATGTCCTC  
GAGCGTAGA GTCGGTGGAA GGAGTCCGAG TGAGGTGGAT GTAGGGGTCA GACGGTGTGG GGTAGGAAA CCGGAGTCG GGACAGGGAA ACTACAGGAG

1501 CTTTCTTCA GCCCTCTGC CCTGTCCCTG CACACCTCC (SEQ ID NO:1)  
GAAAGGAAGT CCGGGAGAC GGACAGGGAC GTGTGGAGG (SEQ ID NO:2)

# Chromosome 16

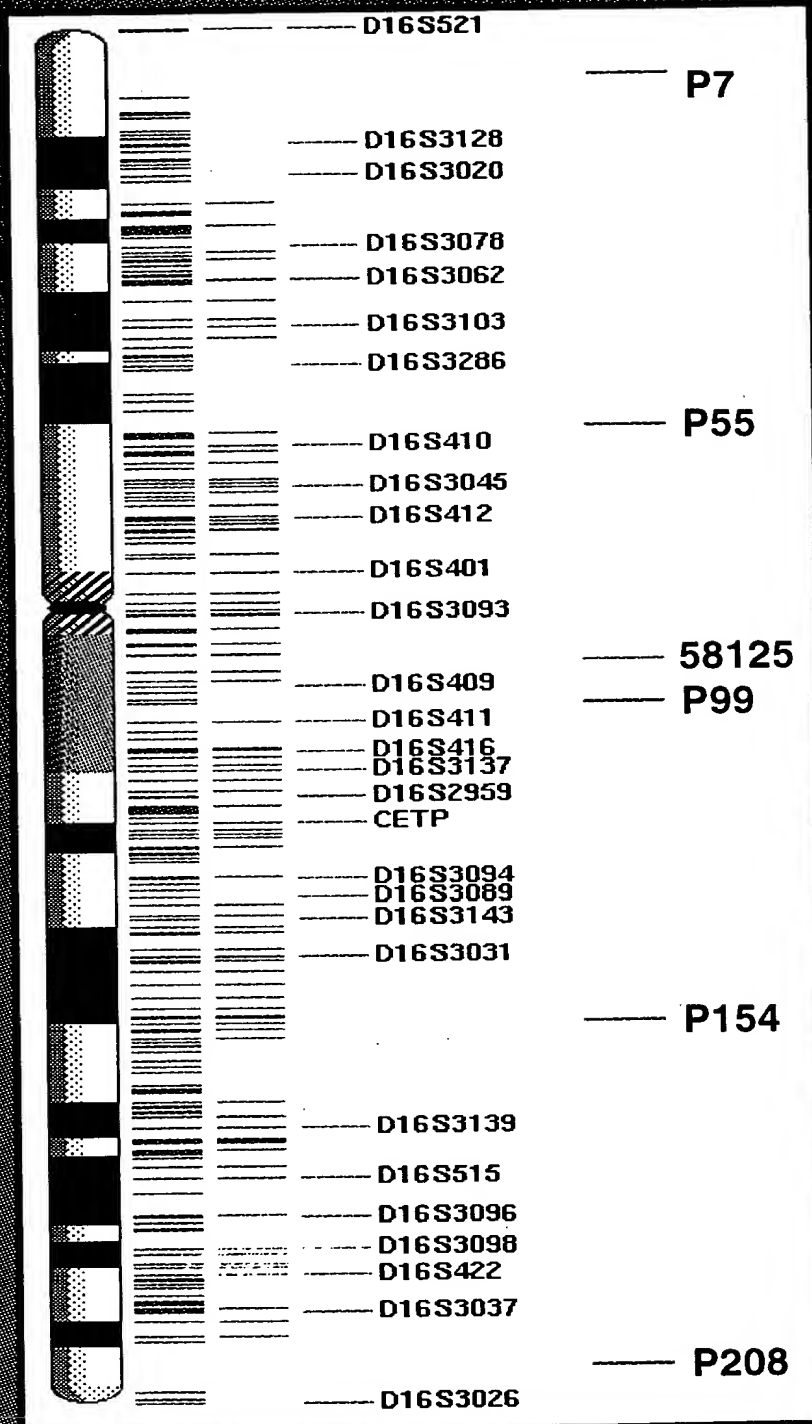
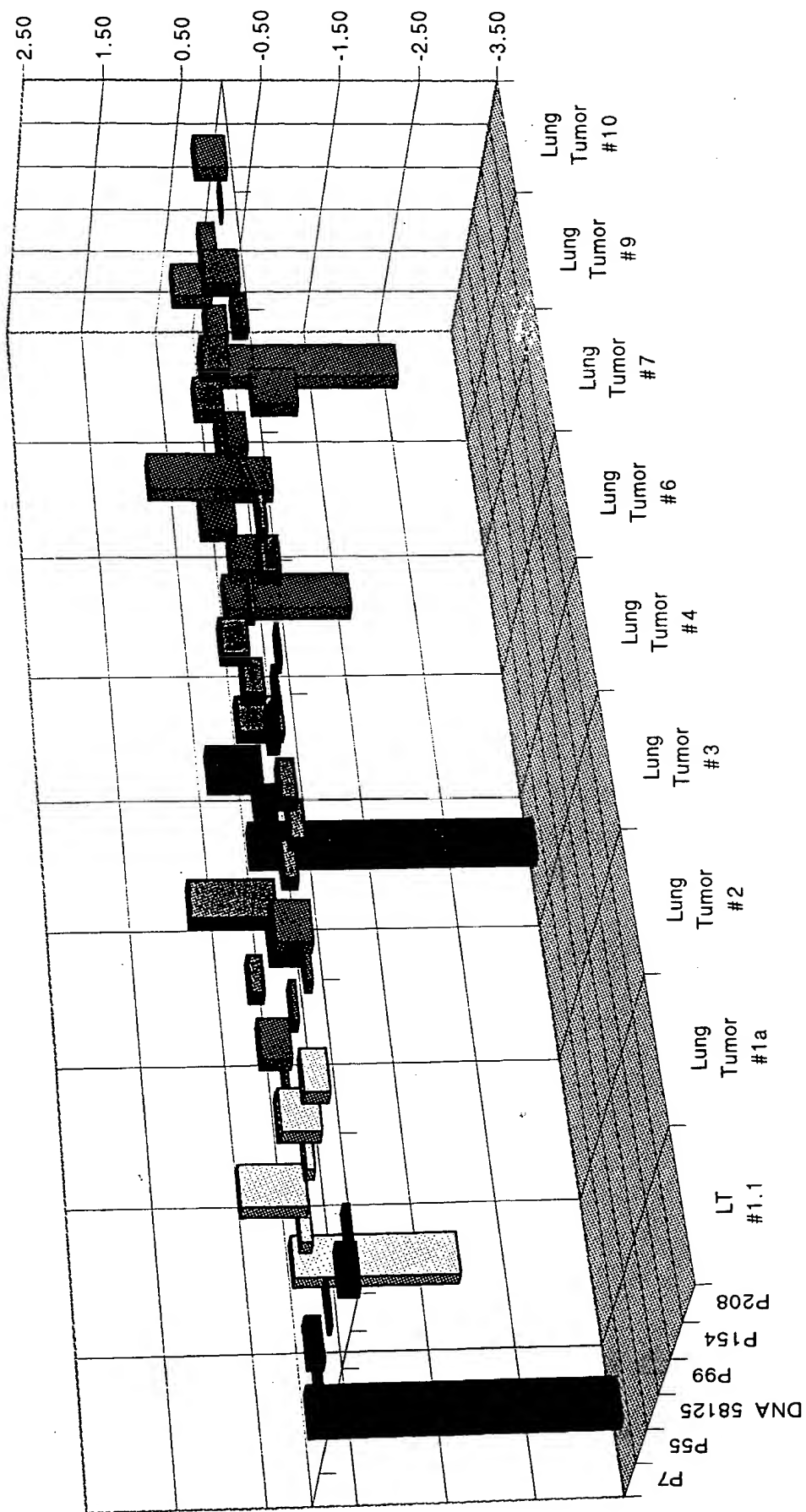
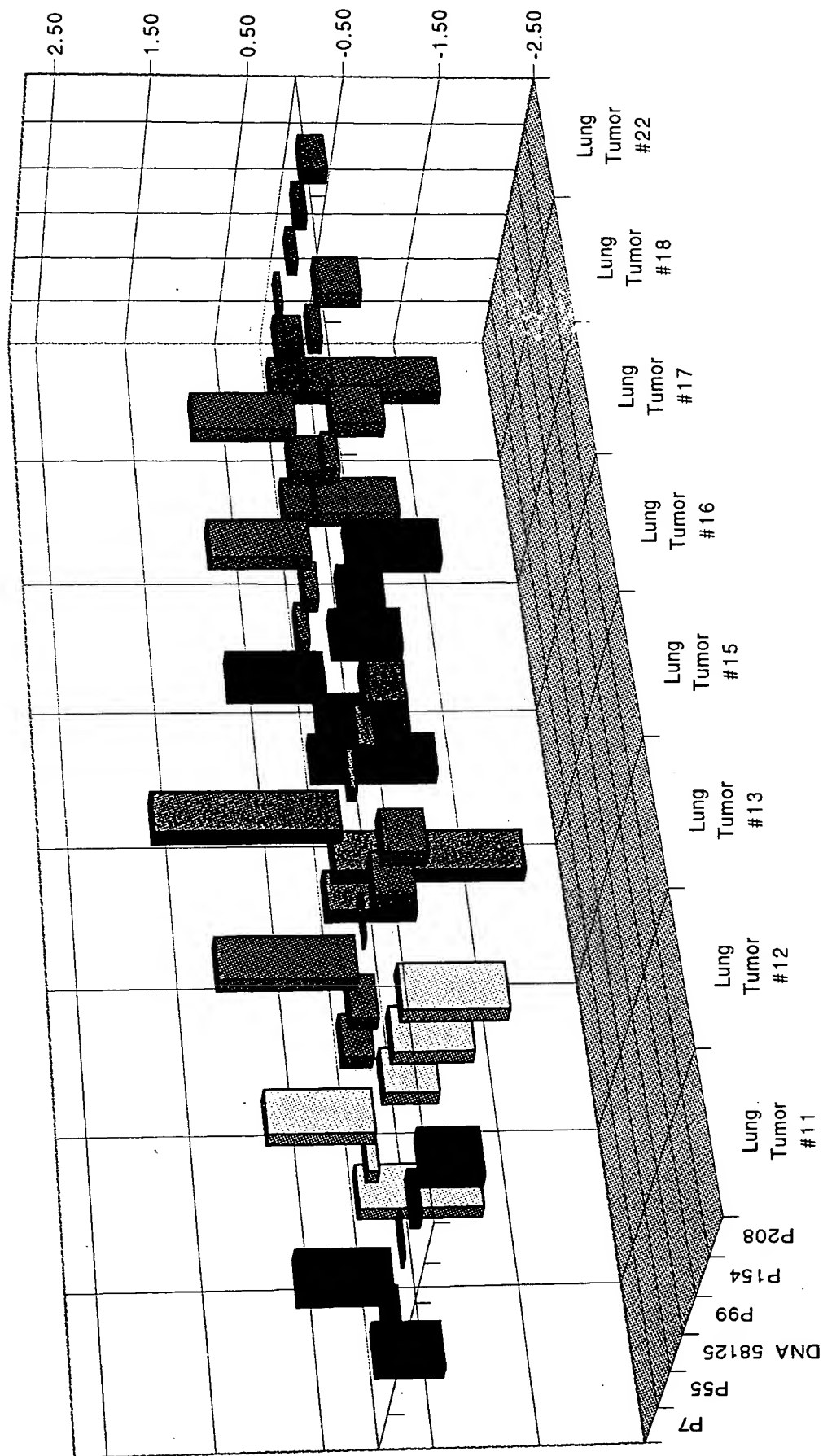


FIG. 2



Framework Analysis of DNA58125 Cardiophin-1  
on Lung Tumor Panel 1

FIG. 3

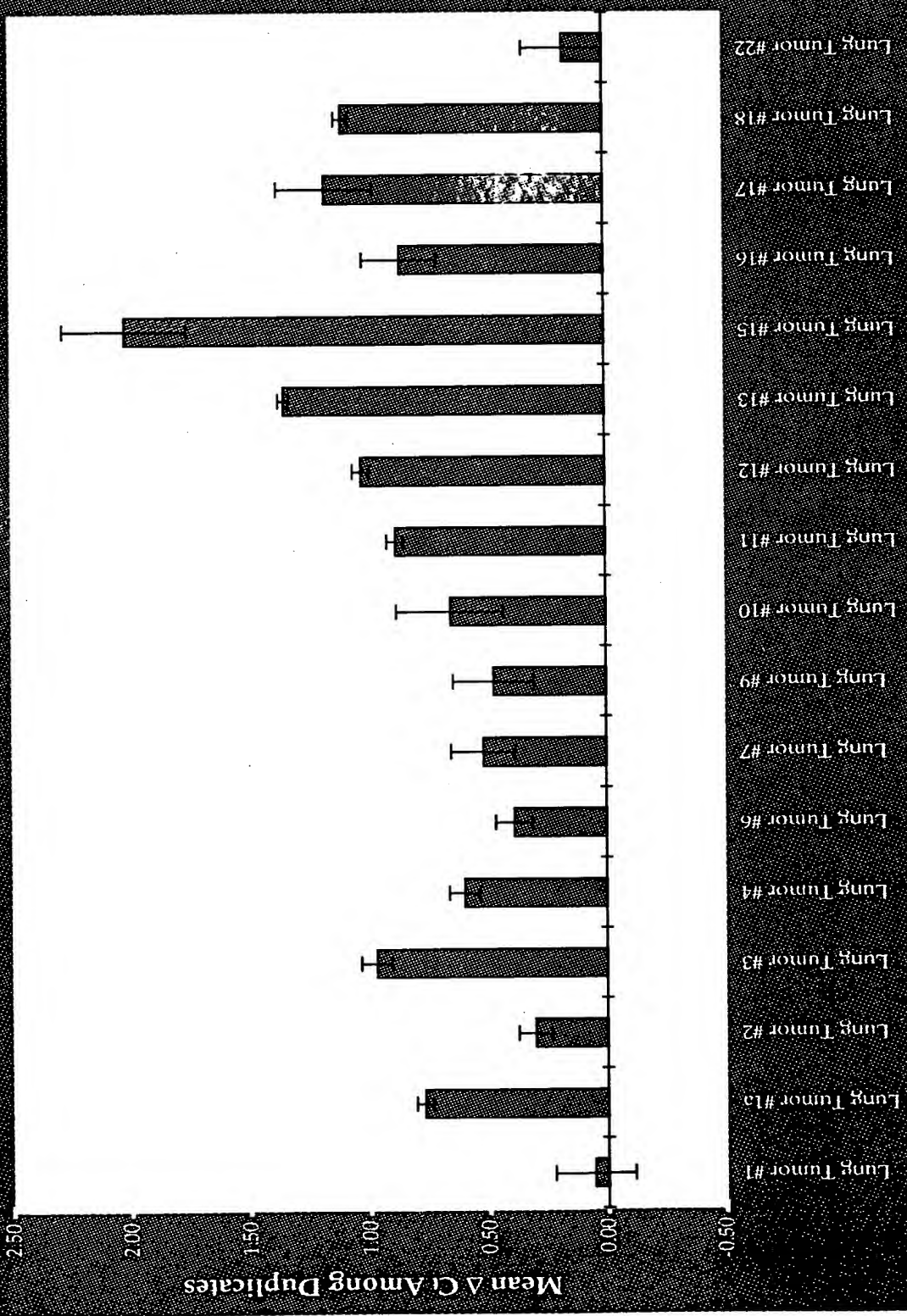


Framework Analysis of DNA58125 Cardiophin-1  
on Lung Tumor Panel 2

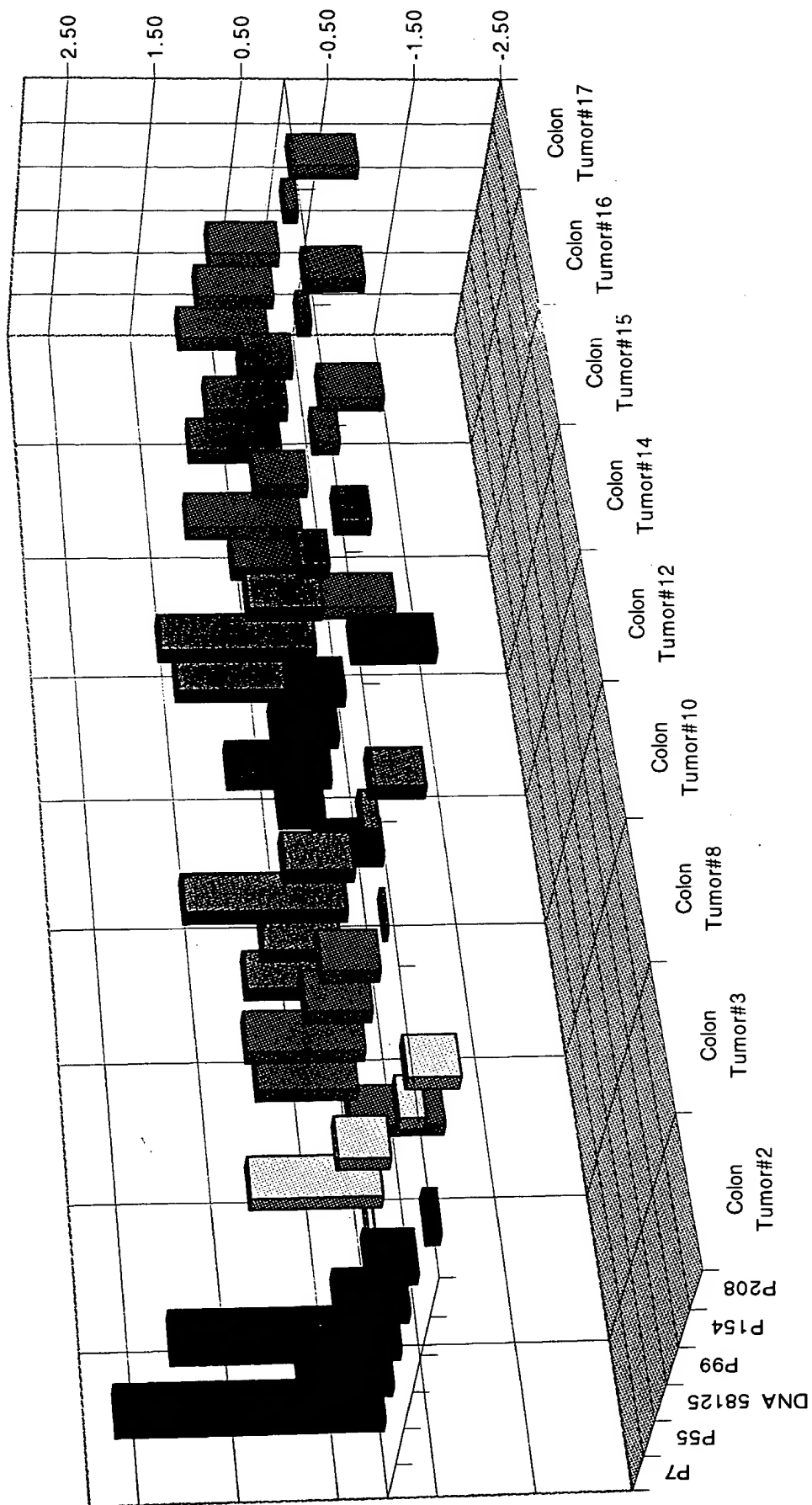
FIG. 4

F16.5

DNA 58125 (CF-1)  
on Lung Tumor Panels 1&2



Lung Tumor Panels 1&2



Framework Analysis of DNA58125 Cardiophin-1  
on Colon Tumor Panel #1

FIG. 6

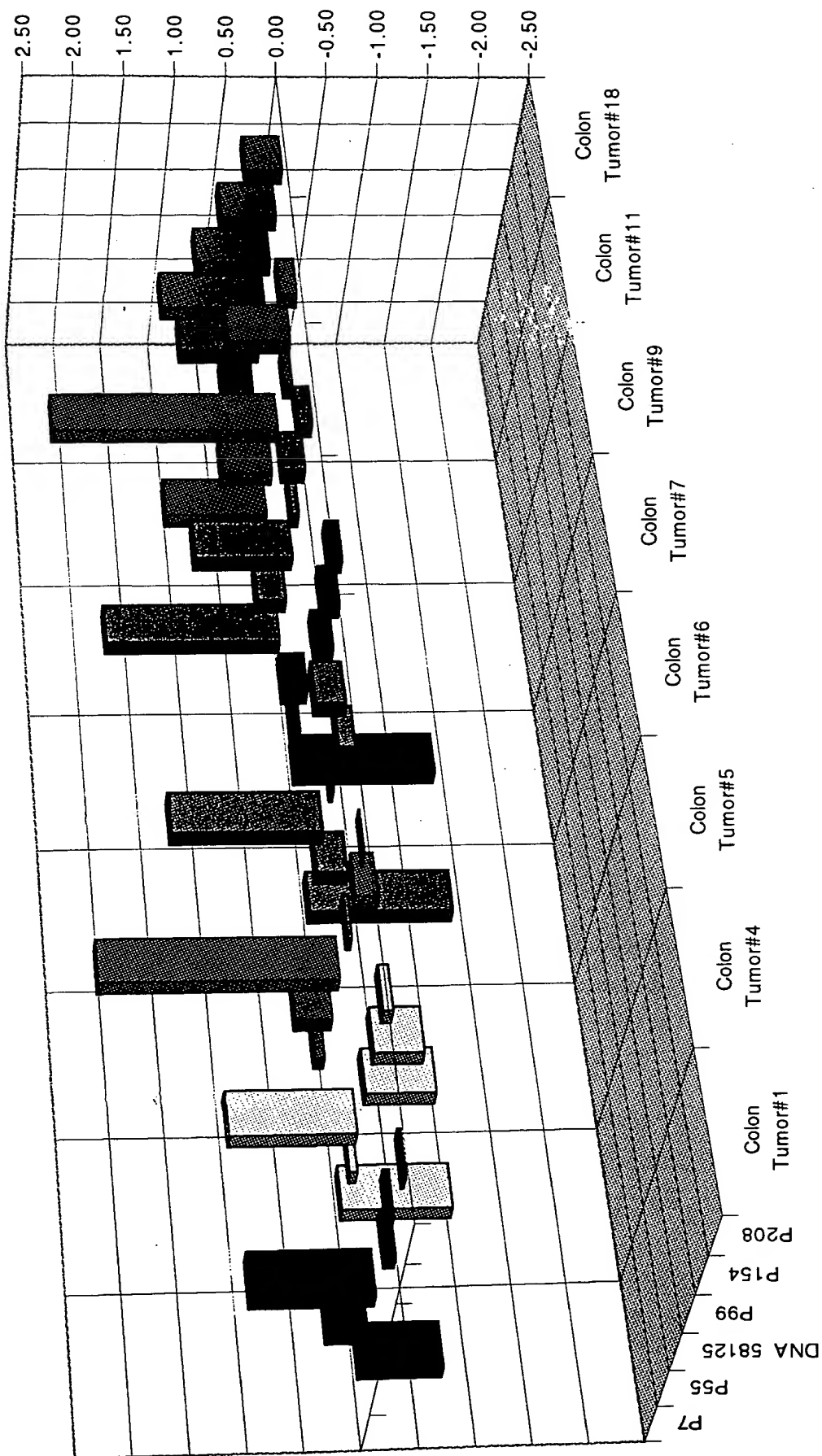
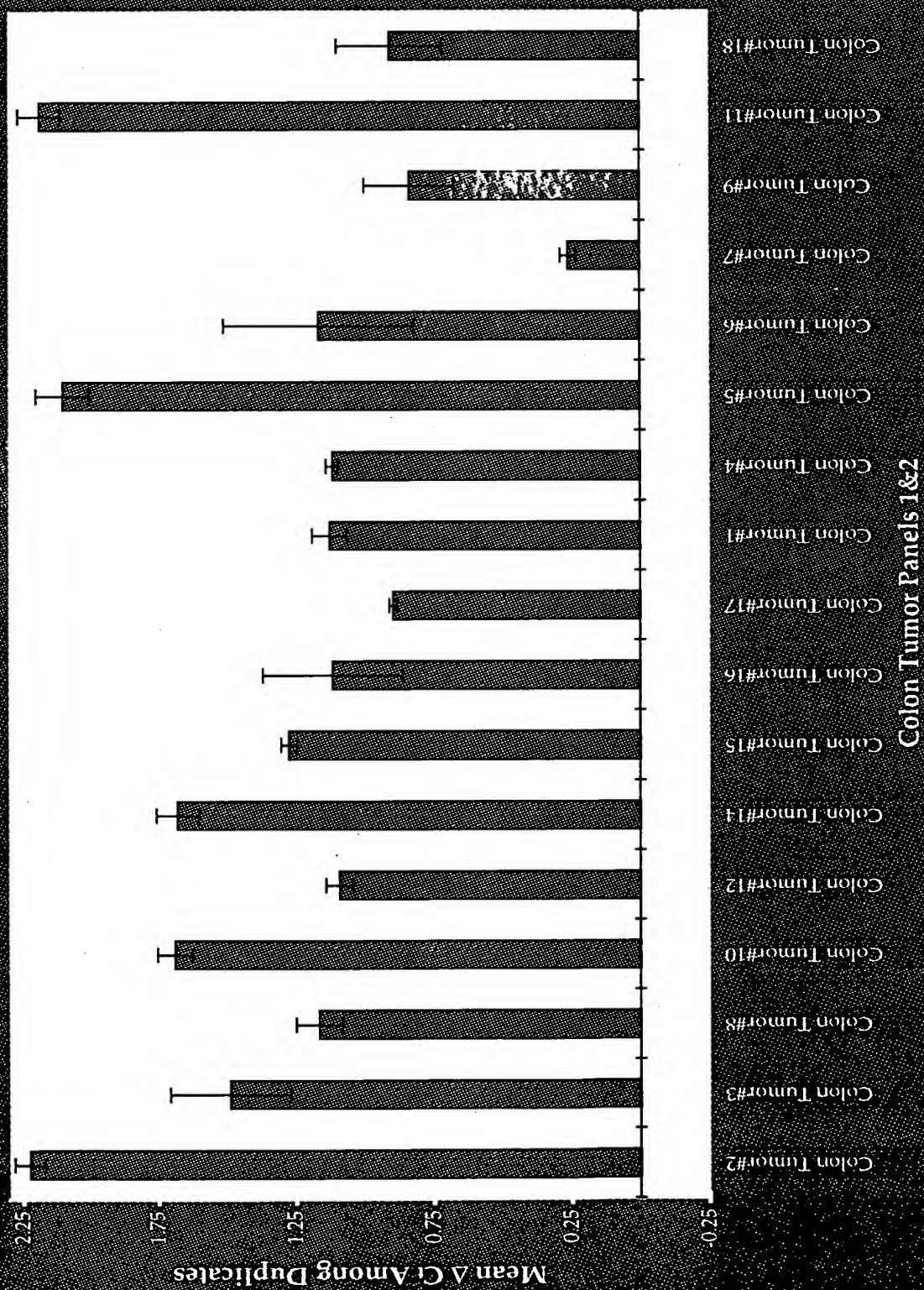
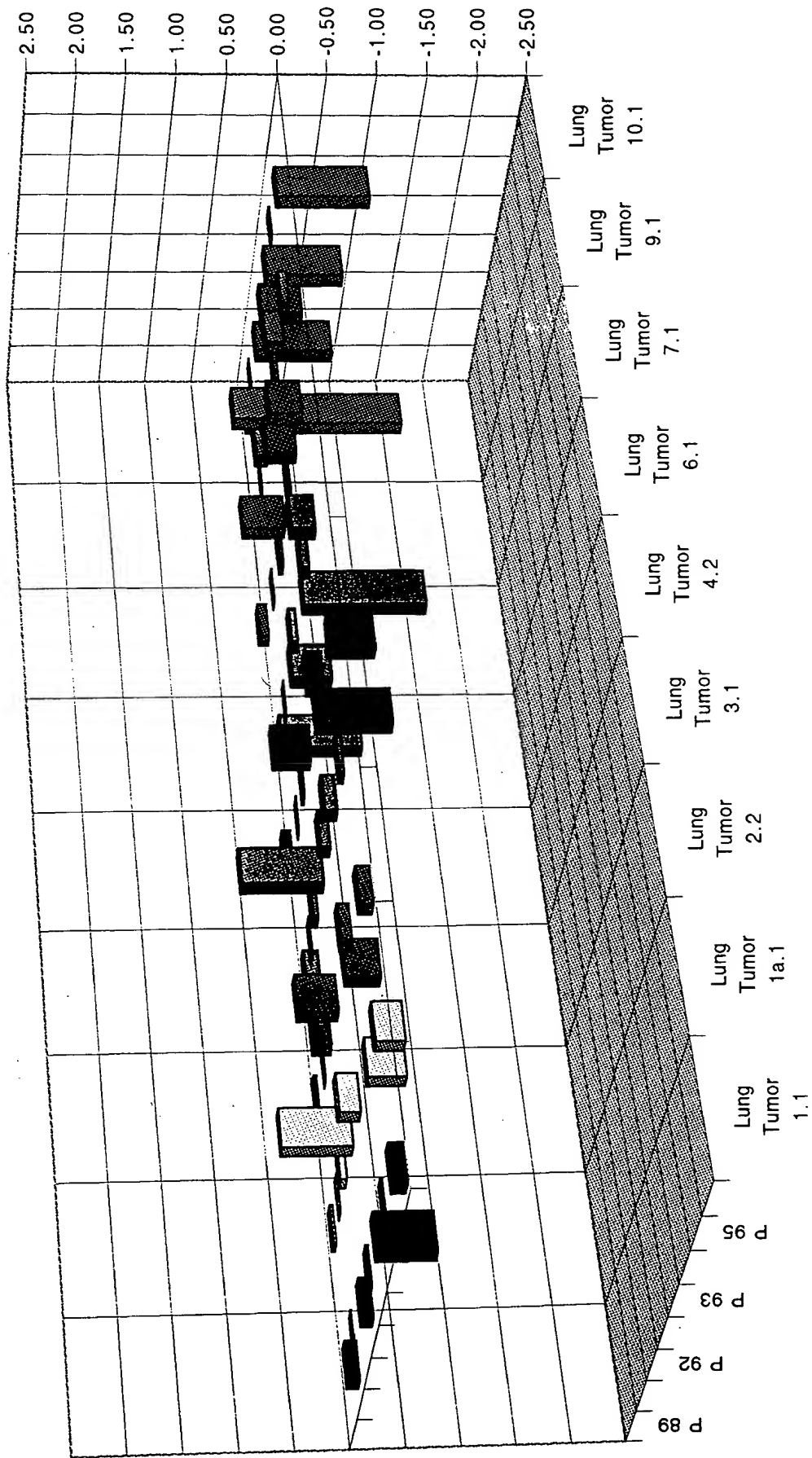


FIG 7



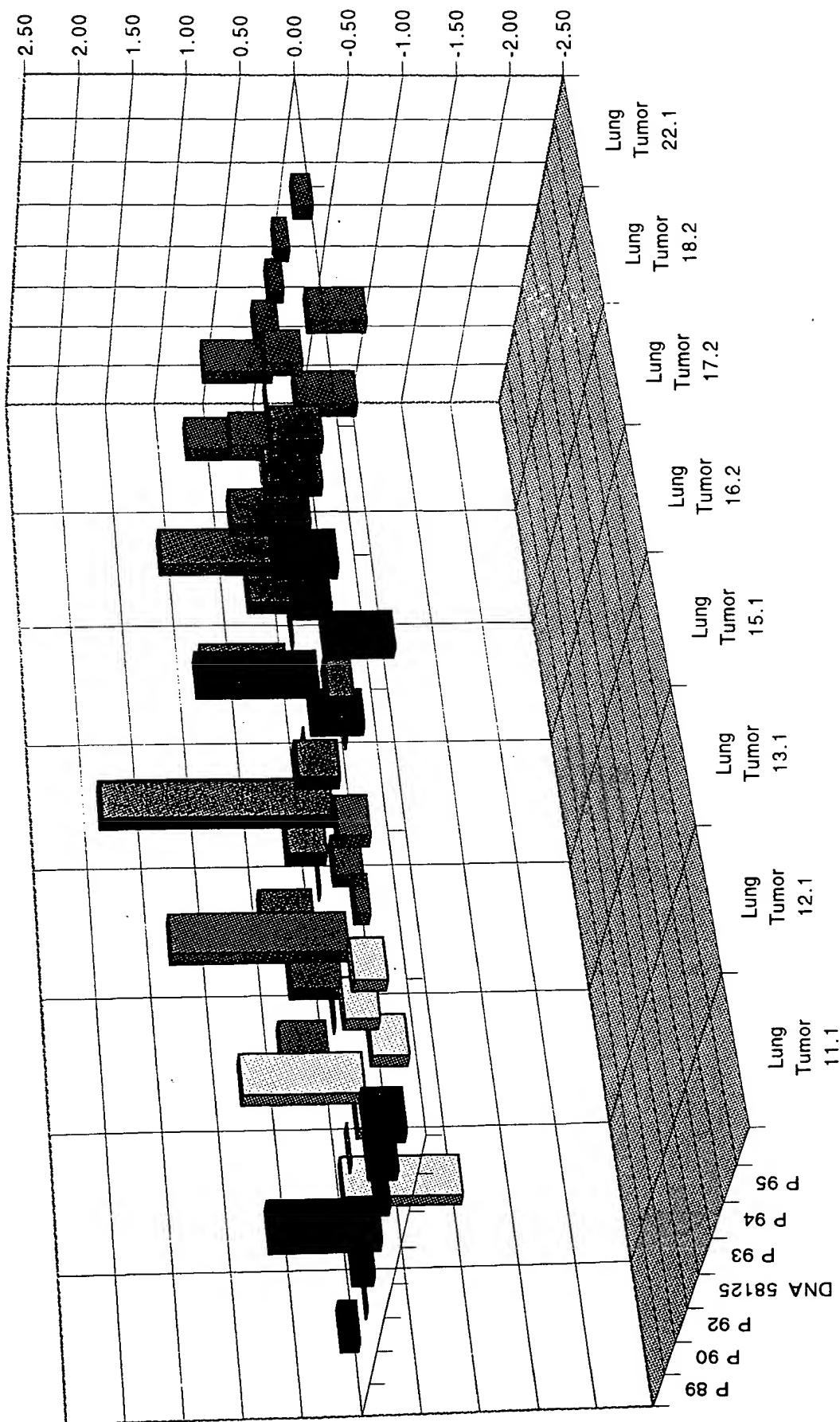
**DNA 58125 (CT-1)  
on Colon Tumor Panels 1&2**





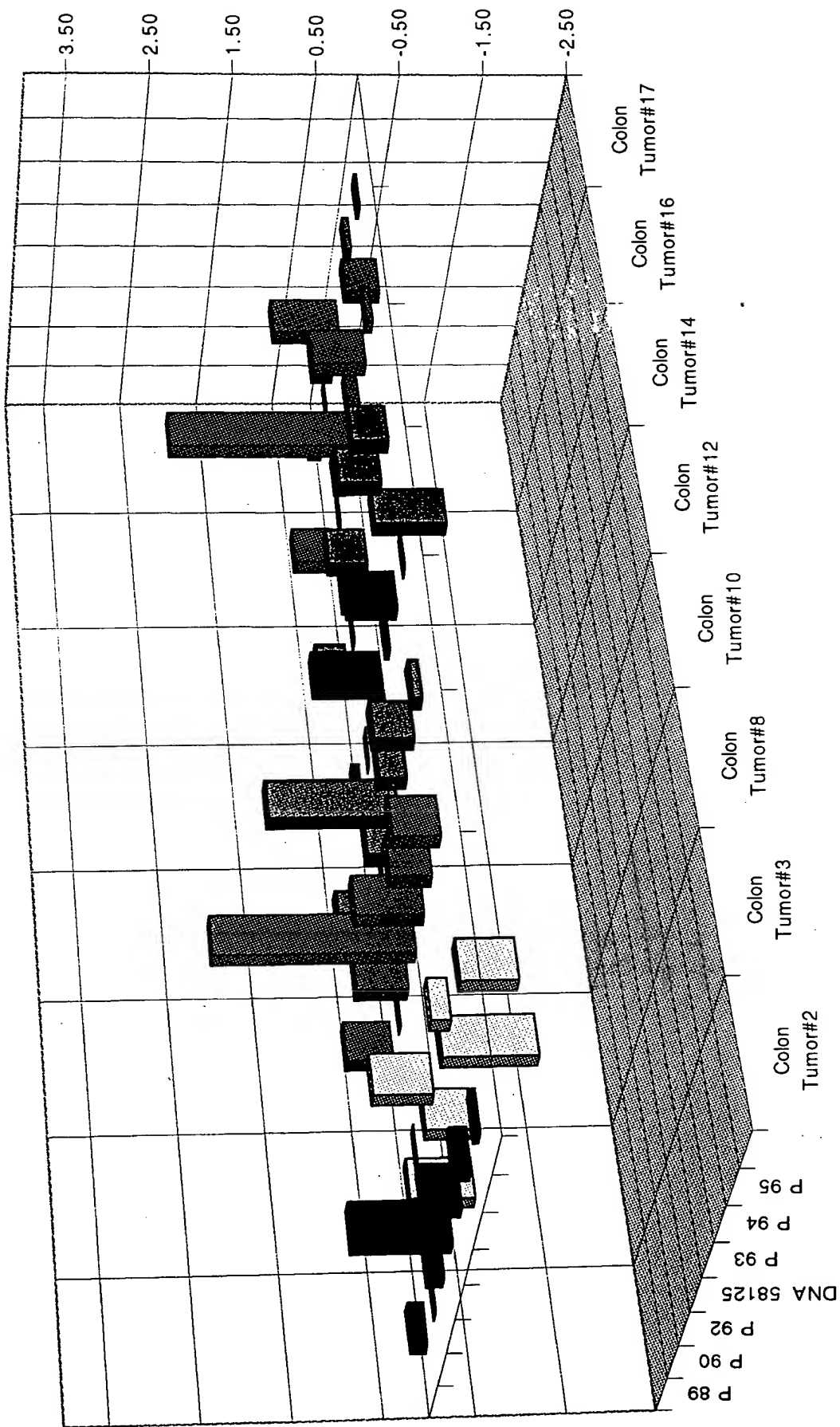
Lung Tumor Panel #1  
Epicenter for Chromosome # 16

FIG. 9



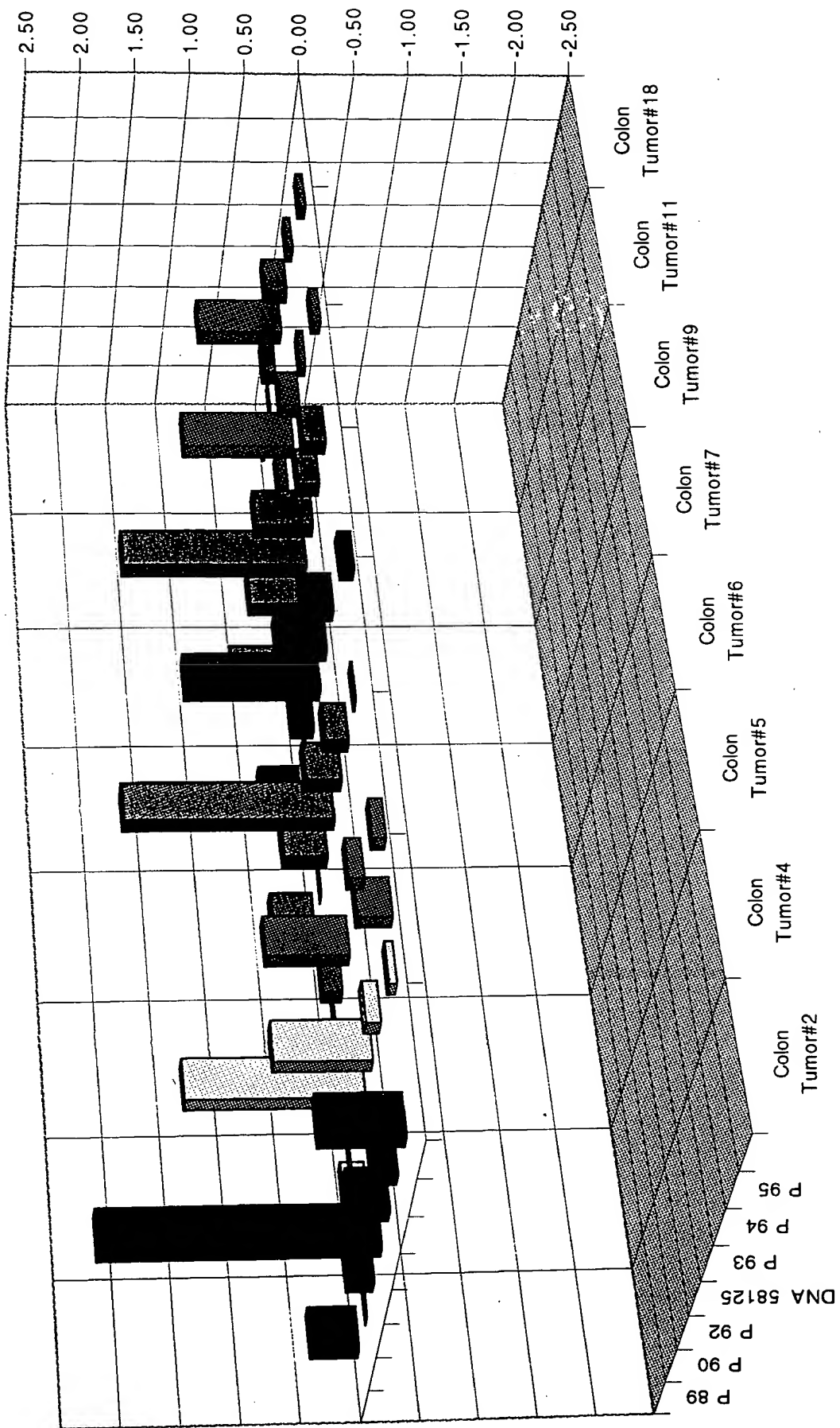
Lung Tumor Panel #2  
Epicenter for Chromosome # 16

FIG. 10



Colon Tumor Panel #1  
Epicenter for Chromosome # 16

FIG. 11



Colon Tumor Panel #2  
Epicenter for Chromosome # 16

FIG. 12